

1. (TWICE AMENDED) A composite scaffolding plank comprising:

a plurality of wooden boards each having a fiber bending value of at least 2200 psi, a modulus of elasticity in the range of 1.6×10^6 to 1.8×10^6 , a lengthwise direction, two opposing sides being flat and extending parallel to said lengthwise direction, each of said sides having a height, said height being the smallest dimension of said wooden boards;

said plurality of wooden boards positioned in side to side parallel abutment;

at least three bores extending through said plurality of wooden boards in a first direction;

at least three spaced helical pins extending transversely in a second direction opposite to said first direction through and imbedded in said bores in said plurality of wooden boards, said plurality of wooden boards being under compression, normal to said wooden board sides and normal to said lengthwise direction; and

said plurality of wooden boards being held together in compression by said helical pins.

7. (TWICE AMENDED) A composite scaffolding plank comprising:

a plurality of wooden boards;

each said wooden board having a fiber bending value of at least 2200 psi, a modulus of elasticity in the range of 1.6×10^6 to 1.8×10^6 and a rectangular prism shape;

each said wooden board having a length, a first end surface, a second end surface, a top surface, a bottom surface, and two opposing side surfaces;

each said side surface being narrower than said top surface, said top surface

having a width equal to a width of said bottom surface;

said plurality of wooden boards positioned with at least one of said side surfaces of each said wooden board in parallel abutment to at least one side surface of another said wooden board;

said top surfaces of said wooden boards being co-planar;

at least three bores extending through said plurality of wooden boards in a first direction;

at least three spaced helical pins extending transversely in a second direction opposite to said first direction through and imbedded in said bores in said plurality of wooden boards, normal to said opposing side surfaces; and

said plurality of wooden boards being held together in compression by said helical pins.

16.(TWICE AMENDED) A composite scaffolding plank comprising a plurality of wooden boards held together in compression by a plurality of helical pins, each of said pins having a square cross section, each said wooden board having a fiber bending value of at least 2200 psi and a modulus of elasticity in the range of 1.6×10^6 to 1.8×10^6 .